

## Appendix B

### Soil Screening Criteria

## SOIL SCREENING CRITERIA

Environmental Resources Management (ERM) calculated soil screening levels (SSLs) for chemicals of concern at the site. For total petroleum hydrocarbons (TPH), ERM used the maximum SSLs developed by the California Regional Water Quality Control Board, Los Angeles Region (RWQCB), May 1996, *Interim Site Assessment and Cleanup Guidebook*. A level of 1,000 milligrams per kilogram (mg/kg) was selected for gasoline-range hydrocarbons, and 10,000 mg/kg was selected for diesel-range hydrocarbons.

These values correspond to the maximum SSLs set by the RWQCB for non-drinking-water aquifers, and were selected based on the documented poor quality of groundwater underlying the site (high total dissolved solids, anthropogenic contamination, and low yield).

ERM used the United States Environmental Protection Agency (USEPA), May 1996 *Soil Screening Guidance: Technical Background Document* (EPA/540/R-95/128) to identify volatile and semivolatile organic concentrations in soil. SSLs were derived using both site-specific data and conservative default input parameters.